

Protecting Children at Schools and Other Outdoor Environments



Kathy Murray, Moderator

Maine Department of Agriculture, Food and Rural Resources

Kathy.murray@maine.gov

Session Goals

- Discuss IPM practices used effectively at schools and other outdoor environments to reduce children's risks of exposure to tick-borne diseases
- Identify priority **needs** and **knowledge gaps** in research, education, regulation and implementation to protect children at schools and other outdoor environments.
- Develop coordinated strategies for community IPM programs and strengthen partnerships among organizations, agencies, schools and other public facilities.



Tick IPM is People Management at Schools



Students & Teachers



Coaches & Athletic Directors



Business
Manager



School Nurse

Communication and Coordination is Key

School
Board

Maintenance Staff



Parents



Office Staff



Pest Control Contractors
and Landscapers

Role of the School Nurse



- Prevent and identify tick borne illnesses in schools
- Early detection and referral
 - Monitor student's symptoms to improve outcomes
 - Advocate for post-diagnosis accommodations for students with ongoing symptoms
- Provide guidance to parents and guardians
 - Prevention, detection and treatment
- Assist with school district policy development

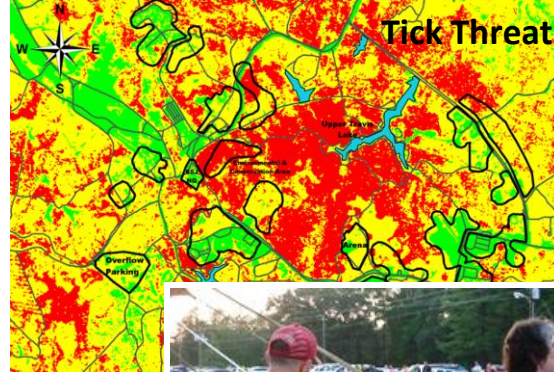
Friends Community School



Multiple Point IPM Plan

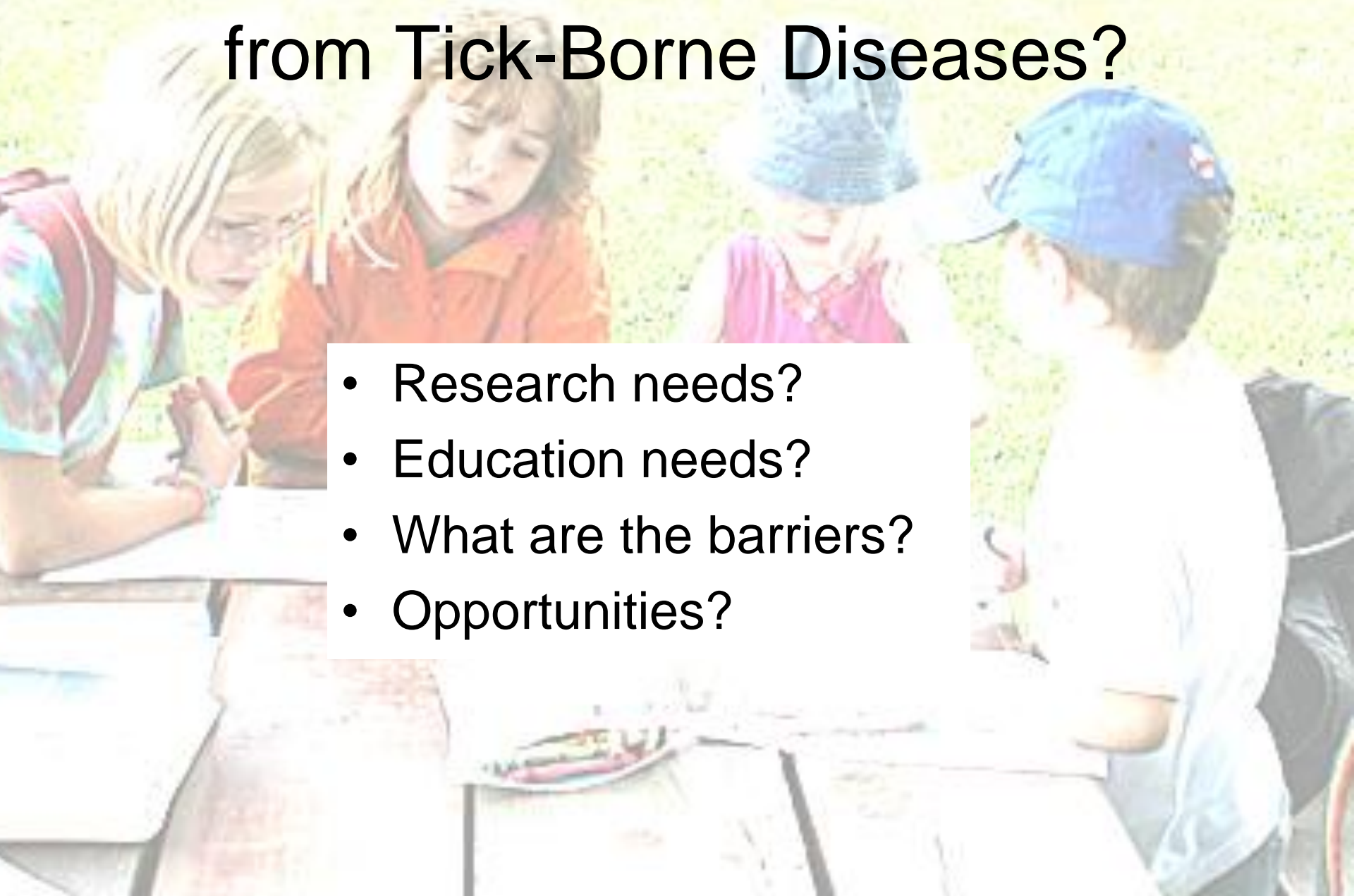
- Field policy and dress code
- Teacher education
- Parent education
- Biannual testing
- Duct tape for each teacher
- Repellent
- Pyrethrins on socks
- Garlic barrier spraying program
- Deer feeder
- Tick tubes spring and fall
- Chickens





What's Needed to Protect Children from Tick-Borne Diseases?

- Research needs?
- Education needs?
- What are the barriers?
- Opportunities?



Panel

- **Thomas Green**, IPM Institute of North America
- **Christine Dunathan**, Friends Community School, College Park, MD
- **Benedict Pagac**, U.S. Army Public Health Command-Region North
- **Sally Schoessler**, National Association of School Nurses
- **Herbert Bolton**, USDA National Institute of Food and Agriculture
- **Audrey Moore**, U.S. Environmental Protection Agency Region 2
- **Clara Fuentes**, U.S. Environmental Protection Agency

Charge questions

- 1) **What is your organization doing** to protect children from tick-borne diseases at schools and other public spaces, what challenges do you face, and what should EPA do to help you to overcome those challenges and support your programs.
- 2) **What guidance can you offer** to school administration and staff, or to managers of parks, children's camps and other outdoor spaces frequented by children, in terms of facilities management, education, and stable funding sources if needed, to reduce risk of tick-borne diseases.
- 3) **What are the top priority needs for research** to reduce children's risk of exposure to tick-borne diseases at schools and other outdoor environments.